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ABSTRACT

This report describes the Imperial Valley College nursing program, a program developed to provide for the nursing needs of Imperial County, California. The program provides part-time education to help train nursing assistants and to allow nursing assistants to upgrade their skills to vocational nurse level and vocational nurses to become registered nurses while working full time. The guide presents a schematic diagram of courses needed by health assistants, vocational nurses, and associate degree nurses. It also contains descriptions of all courses and an expected sequence for students. The guide provides a matrix of skills that shows at what point in the student's education these skills should be mastered. The final section of the guide is a 103-item bibliography. (KC)

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CURRICULUM DEVELOPMENT FOR PART-TIME PROGRAMS

FOR CERTIFIED NURSE ASSISTANT TO LICENSED VOCATIONAL NURSE;

AND

LICENSED VOCATIONAL NURSE TO ASSOCIATE DEGREE NURSE PROGRAM (CNA-VN-RN)

ID# 88-0471

IMPERIAL VALLEY COLLEGE

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VESP TITLE II-B
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"The activity which is the subject of this report was supported in whole or in part by the U.S. Department of Education. However, the opinions expressed herein do not necessarily reflect the position or policy of the U.S. Department of Education, and no official endorsement by the U.S. Department of Education should be inferred".

INTRODUCTION

The Imperial Valley College Nursing Program is committed to serving the nursing needs of the Imperial County. When the current nursing shortage began to impact the local health care community, many discussions were held regarding possibilities for increasing the number of nurses available for employment in Imperial County. It was with pleasure that the College received the Vocational Education Special Projects Request for Proposal (RFP) in the Spring of 1989. The opportunity to develop a part-time program for certified nurse assistants to licensed vocational nurses and licensed vocational nurses to registered nurses (HA-LVN-RN) was the model most needed by this community.

Discussion with local health care providers was extensive. The most frequently expressed need by the employers was for a program whereby their employees would have an opportunity to upgrade their knowledge and skill level. From the employees we heard of the need to work full-time, therefore, the need to attend school part-time. With full understanding that other California communities were having the same difficulties in meeting the health industry's demand for skilled nurses, the RFP VESP 88-0471 response was written. As a result of the funding received from the Chancellor's Office, the following part-time program was designed.

IMPERIAL VALLEY COLLEGE
Division of Nursing Education and Health Technologies
Part-time Program
for
Nursing Education

A Schematic

HEALTH ASSISTANT

VOCATIONAL NURSE

Course	Units
Health Technology	2.0
English 11	3.0
English 1A	3.0
Math X	3.0
Psychology 1A	3.0
Psychology 35	3.0
Psychology 16	3.0
Anatomy 6	3.0
Nursing 1C(V)	1.5
Transition Class (NS 6)	
Nursing 1A(V)	4.0
Nursing 1B(V)	4.0
Nursing 2A(V)	5.5
Nursing 2B(V)	5.5
Nursing 2C(V)	1.5
Nursing 3A(V)	6.5
Nursing 3B(V)	6.5
Nursing 3C(V)	.5

ASSOCIATE DEGREE NURSE

Course	Units
Health Technology	2.0
English 11	3.0
English 1A	3.0
Math X	3.0
Psychology 1A	3.0
Psychology 35	3.0
Psychology 16	3.0
Anatomy 10	5.0
Biology 21	5.0
Humanities	3.0
Speech	3.0
American Inst.	3.0
Nursing 1C(R)	1.5
Transition Course (NS 5)	
Nursing 1A(R)	4.0
Nursing 1B(R)	4.0
Nursing 2A(R)	5.5
Nursing 2B(R)	5.5
Nursing 2C(R)	2.0
Nursing 3A(R)	6.5
Nursing 3B(R)	6.5
Nursing 3C(R)	1.0
Nursing 4A	4.5
Nursing 4B	4.5
Nursing 4C	1.0

A career ladder program in nursing education is available which will provide individuals interested in a nursing career with a variety of options. The curriculum is sequenced so that students can work full time and attend classes part time. There are three exit options: health assistant, vocational nurse or registered nurse. Advanced placement is available for individuals who have previous educational experience.

Advanced placement opportunities are available as follows:

1. Students who are currently certified as nurse assistants by the State of California may apply for admission to the vocational nursing program. After completing the required general education courses, the student may be admitted to the vocational nurse courses.

2. Students who have completed military training in a medical specialty may apply to the vocational nurse or the associate degree nurse program, whichever is appropriate. Placement will be determined on an individual basis by the Director of Nursing Education and Health Technologies and the Nursing Counselor.

3. Students who have completed courses in vocational nursing or registered nursing will be given advanced placement on an individual basis. Specific placement will be determined by the Director of Nursing Education and Health Technologies and the Nursing Counselor after review of all transcripts.

4. Vocational nurses who wish to return to the registered nursing program will be given advanced placement on an individual basis. Students may opt to follow the general plan to obtain an Associate degree in Nursing or they may follow the 30-Unit Option plan.

All students must complete the Nelson/Denny Reading Test and the math placement procedures. When the placement and test scores are available, **ALL** students must make an appointment with the Nursing Counselor and the Director of Nursing Education and Health Technologies for advisement.

A minimum of ten students are needed to schedule a class. Theory classes will be scheduled according to the needs of the class as a whole. Skills laboratory experiences will be based on arrangements with the instructor. Clinical experiences will be scheduled on weekdays, weekends, evenings or any combination, according to the requirements of the Board of Nursing, the Board of Vocational Nurse and Psychiatric Technician Examiners and the California Education Code.

The progression of classes MAY be as follows:

HEALTH ASSISTANT

This course will prepare the student for certification by the State of California as an entry-level worker on the health care team in a long-term care facility. The course is structured to provide theory and practical application of skills to function as a nurse assistant.

The student may exit here.

If the student wishes to enter the Vocational Nursing program, the following progression of courses may be followed:

VOCATIONAL NURSE

Pre-Admission Requirements

English 11

Designed to help adequate readers become superior readers. Recommended for college transfer students who wish to develop the critical and analytical reading and thinking skills necessary for all types of college level reading.

English 1A

The course seeks to improve the student's ability to understand serious and complex prose and to improve the student's ability to write exposition that is thoughtful and clear.

Math X

A one-semester course which covers the material generally included in a full year high school algebra course.

Pre-Nursing Requirements

Health Technology I

In this course, the educational requirements and practice demands of the varied careers within the health services are surveyed. Progress and trends in the health care delivery since 1940 are presented as a background for the exploration of the current state of the art. Major health problems of the 1980's are identified and the impact of lifestyle, total environment, and education on physical and emotional well being are analyzed. Terminology unique to the health sciences is studied.

Psychology 1A

An introduction to the study of human behavior and cognition. Includes consideration of many of the major topics in psychology including, but not limited to, the biology of behavior, learning, human development, sleep and consciousness, personality, mental disorders and therapy, and social processes.

Psychology 35

A study of the development of human beings from conception to death, covering prenatal development, infancy, toddlerhood, preschoolers, middle childhood, adolescence, and adulthood including old age and death. The course will cover major theories of development, current research, and problem areas of human development.

Psychology 16

An investigation of the dynamics of interpersonal relationships. Starting, developing, understanding, and improving one's relationships with others will be the focus of this course. Topics will include love, jealousy, acceptance, listening skills, communication skills, perception of self and others, and self-disclosure. The course involves lecture, discussion, and experiential techniques.

Anatomy 6

Introductory study of the structure and function of the human organism. Class is structured for health occupation students. It is not acceptable for pre-medical, pre-dental, pre-chiropractic, pre-physical therapy or registered nursing students.

Nursing 1C(V): Pharmacology I

An introductory course in pharmacology designed to assist the student to acquire basic skills in drug dosage calculations and the administration of medications. A skills laboratory requirement is included. Clinical application will be integrated into Nursing 1B(V).

Nursing 6: Transition Course

This course is designed to prepare the health assistant to obtain advanced placement into the vocational nursing program. Course content includes the nursing process and nursing care plans. A skills laboratory component is included.

Nursing Requirements

Nursing 1A(V): Introduction to Patient Care I

Theory and skills basic to the provision of safe nursing care are introduced in the classroom and skills laboratory. Components of the nursing process are studied. Parameters of health are defined and the physical and psychological needs of the normal individual is explored.

Nursing 1B(V): Introduction to Patient Care II

Communication skills are presented in this course. Basic psychological and physiological concepts related to stress that causes disruptions in the individual's ability to adopt to his/her environment are presented in the classroom. Concurrently in the clinical sessions, the student relates learned skills and theory to the care of patients with well-defined commonly occurring illnesses in the hospital setting.

Nursing 2A(V): The Maternity Cycle

The nursing process is used to assess the needs of and devise a plan of care for the pregnant woman through the maternity cycle. Consideration is given to the physiological, psychosocial, cultural and economic factors which have impact on the mother, infant, and the family as a whole. Concurrent classroom and clinical experiences are provided.

Nursing 2B(V): Common Health Problems I

The first of three nine-week courses designed to provide a progressive and sequential study of common well defined health problems of the respiratory, reproductive, and special senses systems are presented. Transition from wellness to illness is emphasized. Concepts acquired in previous courses are applied with increasing complexity to caring for individuals for all ages. Physiological, psychological, emotional, cultural, and social concepts are integrated into the planning and implementation of nursing care. Concurrent classroom and clinical experiences are provided. Appropriate nursing skills are learned in the skills laboratory.

*Nursing 2C(V): Pharmacology II

This course focuses on those components of pharmacology related to safe nursing care. It includes information about the general classification of drugs and principles of therapy related to the

*Nursing 2C(V): (continued)

effects, actions, and therapeutic use of each drug. The nursing actions and rationale for nursing actions are covered. Clinical application is integrated into

Nursing 3A(V): Common Health Problems II

The second of three nine-week courses designed to provide a progressive and sequential study of common well-defined health problems is presented. Emphasis is placed on the immune, endocrine, hematological, cardiovascular, and musculoskeletal systems. Concepts acquired in previous courses are applied with increasing complexity in caring for individuals of all ages. Physiological, psychological, emotional, cultural, and social aspects are integrated into the planning and implementation of nursing care. Concurrent clinical experiences are provided. Appropriate nursing skills are learned in the skills laboratory.

Nursing 3B(V): Common Health Problems III

The final nine-week course designed to provide a progressive and sequential study of common well-defined health problems is presented. The concepts from previous courses are applied with increasing complexity to the caring of individuals throughout the lifespan. The pathophysiology, treatment, and nursing management of common disorders involving the neurological, integumentary, gastrointestinal and renal systems are studied in a progressive sequence across the lifespan. Principles of growth and development are reinforced . The nursing process is utilized by students to identify the problems and nursing interventions needed for selected patients in the clinical setting

*Nursing 3C(V): Patient Care Management

An overview of the leadership and management process as it relates to management of patient care is presented. Clinical application is integrated into NS 3A(V) and NS 3B(V).

*Students who plan to continue on to the Associate Degree Nurse level should consider enrolling in NS 2C(R) and NS 3C(R).

After successfully completing the above sequence of courses, the student is eligible to write the vocational nurse licensure examination (NCLEX-PN).

The student may exit here.

If the student wishes to enter the Associate Degree Nursing Program, the following progression of courses may be followed:

ASSOCIATE DEGREE NURSE

Pre-Admission Requirements

English 11

Designed to help adequate readers become superior readers. Recommended for college transfer students who wish to develop the critical and analytical reading and thinking skills necessary for all types of college level reading.

English 1A

The course seeks to improve the student's ability to understand serious and complex prose and to improve the student's ability to write exposition that is thoughtful and clear.

Math X

A one-semester course which covers the material generally included in a full year high school algebra course.

Pre-Nursing Requirements

Health Technology I

In this course, the educational requirements and practice demands of the varied careers within the health services are surveyed. Progress and trends in the health care delivery since 1940 are presented as a background for the exploration of the current state of the art. Major health problems of the 1980's are identified and the impact of lifestyle, total environment, and education on physical and emotional well being are analyzed. Terminology unique to the health sciences is studied.

Psychology 1A

An introduction to the study of human behavior and cognition. Includes consideration of many of the major topics in psychology including, but not limited to, the biology of behavior, learning, human development, sleep and consciousness, personality, mental disorders and therapy, and social processes.

Psychology 35

A study of the development of human beings from conception to death, covering prenatal development, infancy, toddlerhood, preschoolers, middle childhood, adolescence, and adulthood including old age and death. The course will cover major theories of development, current research, and problem areas of human development.

Psychology 16

An investigation of the dynamics of interpersonal relationships. Starting, developing, understanding, and improving one's relationships with others will be the focus of this course. Topics will include love, jealousy, acceptance, listening skills, communication skills, perception of self and others, and self-disclosure. The course involves lecture, discussion, and experiential techniques.

Anatomy 10

A study of the structure and function of the human organism. Emphasis is on the circulatory, respiratory, excretory, nervous, reproductive, and digestive systems.

Biology 21

Provides students with fundamental concepts of the structure and physiology of non-disease and disease producing microorganisms with particular attention to bacteria. Basic techniques for culturing, staining, counting and identifying microorganisms. Designed to meet the requirements to enter one of the medical fields as well as general education.

Humanities 25

An exploratory course designed to introduce students to the major disciplines in the Humanities: art, architecture, literature, music, and dance. Examination of humanistic values and how they are reflected in the arts of world cultures.

Speech I

Training in the fundamental processes involved in oral communication with emphasis on organizing material, outlining, constructing, and delivering various forms of speeches.

American Institutions

Social Science 52

An introduction to the foundations and major characteristics of the governments of the United States and California, stressing the political habits of the American people within historical setting. This course will meet the graduation requirement in American Institutions at IVC but is offered to students who do not intend to transfer to senior institutions;

or

History 17A

A survey of the political and social development of the United States from the seventeenth century to 1872. This course and either History 17B or Poly Sci I will meet the graduation requirement in American Institutions;

and

History 17B

A survey of the political, social, and economic maturation of the United States from the end of the Civil War to the present. This course and either History 17A or Poly Sci 2 will meet graduation requirements in American Institutions.

Nursing 1C(R): Pharmacology I

An introductory course in pharmacology designed to assist the student to acquire basic skills in drug dosage calculations and the administration of medications. A skills laboratory requirement is included. Clinical application will be integrated into Nursing 1B(R).

Nursing 2C(R): Pharmacology II

This course focuses on those components of pharmacology related to safe nursing care. It includes information about the general classification of drugs and principles of therapy related to the effects, actions, and therapeutic use of each drug. The nursing actions and rationale for nursing actions are covered. Clinical application is integrated into the clinical nursing courses.

Nursing 3C(R): Patient Care Management

An overview of the leadership and management process as it relates to management of patient care is presented. Clinical application is integrated into NS 3A(R) and NS 3B(R).

Nursing 5: Transition Course

This course is designed to prepare the advanced placement student to enter the appropriate level of the associate degree nursing program. Students may take variable units from one to three, according to their placement status. Content includes the nursing process, fluid and electrolyte/acid-base imbalances, pharmacology, maternity nursing and nursing interventions for selected health conditions.

Nursing Requirements

Nursing 1A(R): Introduction to Patient Care I

Theory and skills basic to the provision of safe nursing care are introduced in the classroom and skills laboratory. Components of the nursing process are studied. Parameters of health are defined and the physical and psychological needs of the normal individual is explored.

Nursing 1B(R): Introduction to Patient Care II

Communication skills are presented in this course. Basic psychological and physiological concepts related to stress that causes disruptions in the individual's ability to adopt to his/her environment are presented in the classroom. Concurrently in the clinical sessions, the student relates learned skills and theory to the care of patients with well-defined commonly occurring illnesses in the hospital setting.

Nursing 2A(R): The Maternity Cycle

The nursing process is used to assess the needs of and devise a plan of care for the pregnant woman through the maternity cycle. Consideration is given to the physiological, psychosocial, cultural and economic factors which have impact on the mother, infant, and the family as a whole. Concurrent classroom and clinical experiences are provided.

Nursing 2B(R): Common Health Problems I

The first of three nine-week courses designed to provide a progressive and sequential study of common well defined health problems of the respiratory, reproductive, and special senses systems are presented. Transition from wellness to illness is emphasized. Concepts acquired in previous courses are applied with increasing complexity to caring for individuals for all ages. Physiological, psycho-

Nursing 2B(R): (continued)

logical, emotional, cultural, and social concepts are integrated into the planning and implementation of nursing care. Concurrent classroom and clinical experiences are provided. Appropriate nursing skills are learned in the skills laboratory.

Nursing 3A(R): Common Health Problems II

The second of three nine-week courses designed to provide a progressive and sequential study of common well-defined health problems is presented. Emphasis is placed on the immune, endocrine, hematological, cardiovascular, and musculoskeletal systems. Concepts acquired in previous courses are applied with increasing complexity in caring for individuals of all ages. Physiological, psychological, emotional, cultural, and social aspects are integrated into the planning and implementation of nursing care. Concurrent clinical experiences are provided. Appropriate nursing skills are learned in the skills laboratory.

Nursing 3B(R): Common Health Problems III

The final nine-week course designed to provide a progressive and sequential study of common well-defined health problems is presented. The concepts from previous courses are applied with increasing complexity to the caring of individuals throughout the lifespan. The pathophysiology, treatment, and nursing management of common disorders involving the neurological, integumentary, gastrointestinal and renal systems are studied in a progressive sequence across the lifespan. Principles of growth and development are reinforced . The nursing process is utilized by students to identify the problems and nursing interventions needed for selected patients in the clinical setting

Nursing 4A: Common Health Problems IV

This course is concerned with an individual's response to stress and crisis. The promotion of mental health, intervention in maladaptive disorders, and the rehabilitation of chronic disorders is presented in concurrent classroom and clinical settings. Cultural and social attitudes toward behavior which deviates from accepted norms is discussed.

Nursing 4B: Advanced Nursing

Indepth study of patients with increasingly complex health problems is presented. The nursing process is used to plan and implement nursing care for a group of patients. Concurrent clinical experience in geriatric and advanced medical-surgical nursing is arranged.

Nursing 4C: Nursing Trends

Current issues affecting nursing are discussed. Legislation, health care delivery systems, and legal and ethical aspects of health care are integrated into clinical component of NS 4B.

After successfully completing the above sequence of courses, the student is eligible to write the registered nurse licensure examination (NCLEX-RN).

The curriculum model presented here represents one way to provide part-time instructional opportunities for prospective nursing students. A full-time program was reviewed and resequenced in order to accomplish the model.

PART TIME PROGRAM

REQUIRED SKILLS

X = Level demonstrated in lab and/or clinical

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
Admission of a Patient						
Transfer		X				
Discharge		X				
Discharge - AMA		X				
Amputation of Limb, Care of Patient with						
a. Shrink bandage				X		
b. Exercise & positioning				X		
Assessment Skills Adult Pediatric						
Abdominal				X		
Cardio-vascular				X		
Head and Neck				X		
Musculo-skeletal				X		
Neurological				X		
Renal system				X		
Respiratory				X		
Skin				X		
Bandaging/Binders						
Bandages						
a. Figure-eight				X		
b. Circular				X		
c. Spiral				X		
Binders						
a. Scultetus				X		
b. Elastic				X		
c. "T" female				X		
d. "T" male				X		
Bed Making						
a. Clinitron, Care of Patient using						
b. Occupied		X				
c. Surgical		X				
d. Unoccupied		X				
e. Other						
Body Mechanics and Positioning						
a. Turning and positioning patient						
1) in bed		X				
2) protective supine position		X				
3) protective Fowler's position		X				
4) protective side-lying position		X				
5) protective prone position		X				
b. Patient Transfers						
1) bed/chair		X				
2) bed/stretcher		X				
3) bed/wheelchair		X				
c. Ambulation						
1) one person		X				
2) two person		X				
3) with walker		X				
d. Hoyer Lift		X				

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
Breast Exam						
a. Post-mastectomy exercises				X		
b. Teaching self-breast exam				X		
Catheterization, Urinary						
a. female				X		
b. male				X		
c. foley				X		
Charting		X		X		X
Circo-electric bed, Care of Patient with						
a. rotation				X		
b. cervical traction				X		
Colostomy, Care of						
a. appliance application				X		
b. irrigation				X		
c. instruction of patient				X		
Comatose Patient, Care of						
a. eye care		X		X		
b. core temp				X		
c. oral hygiene		X		X		
d. level of consciousness, assessment				X		
CPR - Basic Life Support						
a. certification		X		X		
b. recertification				X		
Decubitus Ulcer Care						
a. Stage 1				X		
b. Stage 2				X		
c. Stage 3				X		
d. Stage 4				X		
Deep Breathing and Coughing						
a. teaching patient				X		
Diaphragmatic Breathing						
a. teaching patient				X		
Diagnostic Procedures, Assist with, Prepare Patient for						
a. Barium enema				X		
b. Endoscopy				X		
c. Gall bladder series				X		
d. I.V. Pyelogram				X		
e. Lumbar puncture				X		
f. Pelvic exam						
g. Physical exam						
h. Proctoscopy				X		
i. Sonogram						
j. Upper G.I. series				X		
k. Medical exam				X		

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
Discharge and Transfer Patient						
a. Discharge summary and charting						
b. Transfer summary and information						
Douche, Vaginal						
a. prepare and administer		X				
Drainage Collection and Care of Patient and Tube/Appliance						
a. Chest tube				X		
1) assist with insertion/removal				X		
2) maintenance				X		
b. Gall bladder				X		
c. Wound				X		
d. Jackson-Pratt				X		
Dressings, Sterile and Unsterile						
a. Removal of sutures, staples, clips						
b. Advancement of penrose drain						
c. Montgomery straps				X		
Enema, Preparation and Administration						
a. cleansing, SSE		X				
b. disposable		X				
c. retention		X				
d. other		X				
Evening Care		X				
Feeding Patients						
a. Blind patient		X			X	
b. Child		X				
c. Helpless patient		X				
d. Measure and record fluid intake		X				
e. Measure and record food intake		X				
f. Tube feedings						
1) naso-gastric					X	
2) J-tube					X	
3) gastrostomy					X	
4) use of regulator pump					X	
5) other						
Handwashing (Medical Asepsis)		X				
Heat, Cold, and Counterirritants, Application of						
Dry Heat						
a. Electric cradle						
b. Heat lamp		X				
c. Hydropack						
d. Hydrocolator		X				
e. Other						

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
Moist Heat						
a. Soaks of extremity		X				
b. Compresses		X				
c. Jacuzzi						
d. Other		X				
Cold Applications						
a. Compresses		X				
b. Ice bag		X				
c. Ice collar						
d. Sponge bath		X				
1) alcohol		X				
2) cool water		X				
Hemovac, Care of Patient with						
a. Drainage and maintenance of suction				X		
Intake & Output Monitoring		X				
Irrigations, Administration of						
a. Bladder				X		
b. Colonic (Harris flush)		X				
c. Ear						
d. Eye						
e. Perineal		X				
f. Throat						
g. Wound				X		
h. Other						
Isolation, Body Substance						
a. Handwashing		X				
b. Gowning		X				
c. Clean gloving		X				
d. Masking		X				
e. Removal of specimens		X				
f. Removal of other items		X				
g. Double bagging						
h. Instruction of patient and visitors		X				
Medication Administration						
a. Inhalation		X				
1) oral/nasal		X				
b. Instillation of drops, drugs						
1) ear		X				
2) eye		X				
3) nose		X				
c. Intradermal injection		X				

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
d. Intramuscular injection						
1) gluteus medius, adult		X				
2) ventro-gluteal, adult		X				
3) vastus lateralis		X				
a) adult		X				
b) child		X				
c) infant		X				
4) deltoid		X				
5) Z-track method				X		
e. Intravenous administration, drugs, fluids, blood products				X		X
1) preparation of IV system, solution				X		
2) venipuncture				X		X
a) winged-tip needle						X
b) over-the-needle catheter						X
3) calculation and regulation of IV flow rate				X		
4) Using a controller and pump				X		
a) IVAC				X		
b) Guardian				X		
c) other						
5) Using a syringe pump (Harvard)				X		
6) Assessment/management of IV site				X		
7) Dressing change of IV site						X
8) Bolus injection into IV tubing						X
9) Management of piggy back or partial fill additive						X
10) Adding medication to IV						X
11) Use of volutrol, buretrol						X
12) Use of heparin lock for administration of meds and heparin flush				X		
13) Change from IV continuous infusion to heparin lock						X
14) Blood transfusions						X
a) check system						X
b) administering through x-tube						X
c) monitoring for potential complications				X		X
d) administering blood components: -fresh plasma -platelets -granulocytes -serum albumin -gamma globulin -coagulation factors -factor IX						X
15) Changing I.V. tubing						X
a) hanging new bottle						X
b) discontinuing I.V.				X		
16) Central venous catheter system						X
a) Assist with insertion/removal						
b) TPN administration						X
(1) Sterile dressing change						X
(2) Infection control precautions & maintenance						X

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
f. Oral						
1) capsules, tablets		X				
2) liquids		X				
3) sublingual		X				
4) other		X				
g. Subcutaneous injection		X				
1) ampule		X				
2) vial		X				
3) Insulin		X				
a) one sol.		X				
b) two sol.		X				
c) instruct patient in self-administration		X				
4) Heparin		X				
h. Topical/mucous membrane application		X				
Nasogastric Tubes, Care of Patient with						
a. Insertion				X		
b. Checking placement				X		
c. Instillation of meds, fluids				X		
d. Irrigation				X		
Orthopedic and Prosthetic Appliances, Care of and Instruction of Patient						
a. Braces				X		
b. Casts				X		
c. Crutches				X		
d. Traction				X		
1) skeletal				X		
2) skin				X		
e. Slings		X		X		
f. Splints				X		
g. Stryker Frame, care of pt. and rotation				X		
Prosthetic Devices						
a. Eye		X				
b. Limb						
c. Hearing Aid		X				
d. Contact Lenses		X				
Oxygen Therapy						
a. Tent				X		
b. Mask				X		
c. Nasal prongs				X		
e. E.T. tube						
Post-Mortem Care				X		

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
Post-Operative Care						
a. Spirometer, blow bottles						
b. Exercises				X		
Postural Drainage				X		
Pre-Operative Care & Preparation						
a. Orientation & general preparation				X		
b. Local skin preparation				X		
c. Pre-operative teaching				X		
d. Mental status assessment				X		
Psychiatric Patient Care, Interventions						
a. Addictive behavior						X
b. Depression						X
c. Psychotic behavior						X
Restraints						
a. Vest		X				
b. Extremities		X				
c. Other		X				
Range of Motion Exercises						
a. Passive		X				
b. Active		X				
Seizure Precautions						
Skin Integrity						
a. Back care		X				
b. Baths		X				
1) Bed		X				
2) Shower		X				
3) Tub		X				
4) Sitz		X				
5) Therapeutic -Medicated						
Finger & Toe Nails, Care of		X				
Foot Care						
a. Special care for diabetics		X				
Hair, Care of						
a. combing and brushing		X				
b. shampoo to bed patient		X				
c. pediculosis treatment		X				

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
Oral Hygiene						
a. Brushing teeth		X				
b. Denture care		X				
c. Special mouth care		X				
-conscious patient		X				
-unconscious patient		X		X		
Perineal/Genital Care						
a. Female		X				
b. Male		X				
Specimen Collection						
a. Providing bedpan & urinal		X				
b. Blood						
c. Sputum		X				
1) per cough		X				
2) per suction catheter, Luken's trap				X		
d. Stool		X				
e. Stool, test for occult blood		X				
f. Urine						
1) routine		X				
2) clean catch		X				
3) from catheter		X				
4) application of external catheters		X				
5) application of infant urine collection bag		X				
6) accumulative (24°) specimen		X				
7) sugar/acetone		X				
g. Vomitus		X				
Suctioning						
a. Oral				X		
b. Nasotracheal						
Surgical Asepsis/Wound Management						
a. Preparing a sterile field				X		
b. Open sterile gloving				X		
c. Changing complicated dressings				X		
d. Changing dressings around a drain				X		
e. Obtaining wound cultures				X		
1) aerobic				X		
2) anaerobic				X		
Surgical Techniques						
a. Surgical hand scrub				X		
b. Gowning/masking/head gear				X		
c. Closed gloving, self/doctor				X		
TED Hose						
a. Application				X		
b. Maintenance				X		

	Level to be Completed					
	HA		VN		RN	
	Inst./ Date	Stu./ Date	Inst./ Date	Inst./ Date	Inst./ Date	Stu./ Date
Therapeutic Procedures, Assist with						
a. Abdominal paracentesis						
b. Gastric lavage				X		
c. Thoracentesis						
Tracheostomy Care						
a. Tracheal/bronchial suctioning with use of manual resuscitator (Ambu-bag)				X		
b. Care of canula				X		
c. Instillation of normal saline				X		
d. Deflation/inflation of cuff				X		
Urinary Diversion, Care of Patient/Stoma						
Vital Signs, Measure & Record						
a. Blood pressure		X				
b. Pulse		X				
c. Respiration		X				
d. Temperature		X				
1) axillary		X				
2) oral		X				
3) rectal		X				
4) electronic		X				
Weighing Patient/Measuring Height		X				
O.B. and Nursery						
a. Pre-natal care				X		
b. Intra-partum care				X		
1) comfort measures				X		
2) specific breathing techniques for comfort						
c. O.B. admission				X		
d. Doppler, Fetal heart and contraction monitor				X		
e. Post-partum care, including recovery				X		
1) vaginal delivery				X		
2) cesarean section				X		
f. Newborn assessment						
1) physical				X		
2) gestational (Dubowitz, Ballard)				X		
3) APGAR Score				X		
g. Newborn care						
1) cord care				X		
2) circumcision care				X		
3) routine suctioning				X		
4) breast & bottle feeding				X		
h. Patient teaching						
1) post-partum self care				X		
2) infant care				X		
3) breast and bottle feeding				X		

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Comparison of Theory Requirements

I. Required Theory	IVC NS 1A	IVC HA	ROP HA
1. The Health Care System	X	X	X
Historical Prospectives	X		
The Nursing Process	X		
2. Interpersonal Relationships	X	X	X
Cultural and Social Dimensions	X	X	X
Concepts of Health and Illness	X		
Human Needs	X	X	X
Client Teaching-Learning	X		
3. The Patient Environment	X	X	X
a. socioeconomic, religious, cultural factors	X	X	X
b. therapeutic communication	X	X	X
c. safety factors	X	X	X
d. risk factors	X	X	X
4. Legal Issues	X	X	X
a. patient advocacy	X		
b. patient rights	X	X	X
Nursing Values and Ethical Issues	X	X	X
5. Medical Asepsis	X	X	X
a. universal body substance isolation	X	X	
b. isolation	X	X	X
6. Sleep, Rest, and Comfort Needs	X	X	X
Pain Control	X		
a. relaxation techniques	X		
7. Basic Nutritional Needs	X	X	X
a. diets related to culture, food fads, religion and socioeconomic factors	X	X	
b. normal body needs	X	X	X
c. routine diets	X	X	X
d. special diets	X	X	X
e. nutritional needs across the lifespan	X		
-age	X		
-sex	X		
-state of health	X	X	
f. intake and output	X	X	X
8. CPR	X	X	X
9. The Health-Illness Continuum	X	X	
a. impact on growth and developmental stages	X	X	

I. Required Theory - continued	IVC NS 1A	IVC HA	ROP HA
10. Verbal Communication	X	X	X
Interviewing Techniques	X		
Principles of Documentation	X	X	X
a. reporting and recording	X	X	X
b. the kardex	X	X	X
c. nursing care plans	X	X	X
11. Common Defense Mechanisms			
a. stressors	X		
b. stress and adaptation	X		
c. coping strategies	X		

II. Nursing Skills Theory	IVC NS 1A	IVC HA	ROP HA
1. Medical Asepsis	X	X	X
handwashing	X	X	X
Vital Signs	X	X	X
Bedmaking	X	X	X
2. Skin Integrity	X	X	X
Hair Care	X	X	X
Perineal/genital care	X	X	X
Eye, Ears, Foot and Back Care	X	X	X
3. Application of Heat and Cold	X	X	X
4. Medical Asepsis	X	X	X
Infection Control	X	X	X
5. Turning and Positioning	X	X	X
Transfers	X	X	X
Restraints	X	X	X
Walkers	X	X	X
Hoyer Lift	X	X	X
Ambulation	X	X	X
6. Body Mechanics	X	X	X
Nutrition	X	X	X
a. the handicapped patient	X	X	X
b. tube feeding	X	X	X
c. TPN	X		
d. special diets	X	X	X
7. Collection of Specimens	X	X	X
8. Medication Administration	X		
a. oral	X		
b. sublingual	X		
c. rectal	X		
d. vaginal	X		
e. eye, ear, buccal	X		
f. topical	X		
g. intramuscular	X		
h. subcutaneous	X		
i. z track	X		
j. insulin	X		

II. Nursing Skills Theory - continued	IVC NS 1A	IVC HA	ROP HA
9. Basic Skills Required for Physical Assessment	X	X	X
a. physical examination	X		
b. equipment	X		
10. Terminology Related to Reporting and Recording	X	X	X
Additional Skills			
1. Oxygen		X	X
2. Suctioning		X	
3. Psychological Affects of Aging		X	X
4. Ostomy Care		X	X
5. Casts		X	X
6. Traction		X	
7. Terminal Illness		X	X
8. Home Care		X	X
9. Nasogastric Tubes		X	

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Comparison of Skills Requirements

Required Skill	IVC NS 1A	IVC HA	ROP HA
Medical Asepsis			
1. Handwashing	X	X	X
2. Temperature	X	X	X
a. oral	X	X	
b. rectal	X	X	
c. axillary	X	X	
3. Pulse	X	X	X
a. apical	X	X	
b. radial	X	X	
4. Respiration	X	X	X
5. BP	X	X	
6. Making a bed	X	X	X
a. unoccupied	X	X	X
b. occupied	X	X	X
c. surgical	X	X	
Skin Integrity			
1. Bathing a client	X	X	X
2. Evening care	X		
3. Oral hygiene	X	X	X
a. conscious patient	X		
b. unconscious patient	X		
c. Patient with dentures	X		
4. Hair care	X	X	
5. Perineal/genital care	X	X	X
a. male	X		
b. female	X		
6. Eye care	X	X	Routine
7. Foot care	X		
8. Back care	X	X	
9. Hearing Aids		X	X

Required Skill	IVC NS 1A	IVC HA	ROP HA
Heat and Cold Therapy			
1. Application of moist heat	X		Treatments
2. Application of cold therapy	X		& procedures
Body Substance Isolation	X	X	X
Body Mechanics			
1. Turning/positioning	X	X	X
a. Protective sidelying	X		
b. Protective prone	X	X	
c. Protective supine	X		
d. Protective Fowler's	X		
e. Log rolling	X	X	
2. ROM	X	X	X
3. Patient transfers	X	X	X
a. pivot bed to w/c	X	X	
4. Ambulation	X		X
a. one person	X		
b. two persons	X		
c. with walker	X		
5. Restraints	X	X	X
a. vest	X	X	
b. extremity	X	X	
CPR	X	X	
Specimen Collection			
1. Providing bedpan & urinal	X	X	X
2. Collecting urine specimens	X	X	
a. routine	X	X	X
b. clean catch	X	X	
c. from catheter	X		
3. Collecting stool specimens	X	X	X
4. Test stool for occult blood	X		

Required Skill	IVC NS 1A	IVC HA	ROP HA	Advanced Placement
5. Collecting sputum specimens	X	X	X	
6. Administer enema	X	X	Covered	
a. SSE	X		under	
b. Fleets	X		Treatments	
7. Testing urine for S/A	X		and	
8. Apply external catheters	X		Procedures	
9. Administer douche	X	X		
Administration of Medications				
1. Topical meds	X			X
2. Mucous membrane meds	X			X
3. Oral meds	X			X
4. Sublingual meds	X			X
5. Rectal meds	X	X		X
6. Eye meds	X			X
7. Ear meds	X			X
8. Vaginal meds	X			X
Administration of Parenteral Meds				
1. IM meds	X			X
2. ID meds	X			X
3. SC meds	X			X
4. Z track meds	X			X
5. Insulin	X			X
a. one solution	X			X
b. two solutions	X			X
6. Injections to a child	X			X
Additional Skills				
1. Assess I & O		X	X	
2. Catheter care		X	X	
3. Draping and positioning for physician exam		X	X	
4. Charting		X		
a. Nursing process				
b. Admission/discharge/transfer		X	X	
5. Bowel & Bladder Program		X	X	
6. Application of dry dressings		X	X	

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